

## SECTION 06 2000

### FINISH CARPENTRY

\*\*\*\*\*

#### LANL MASTER SPECIFICATION

When editing to suit project, author shall add job-specific requirements and delete only those portions that in no way apply to the activity (e.g., a component that does not apply). To seek a variance from applicable requirements, contact the ESM Architectural POC.

When assembling a specification package, include applicable specifications from all Divisions, especially Division 1, General Requirements.

Delete information within "stars" during editing.

Specification developed for ML-3 projects. For ML-1 / ML-2, additional requirements and QA reviews are required.

\*\*\*\*\*

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Finish carpentry items
- B. Hardware and attachment installation
- C. Wood trim and moldings installation
- D. Job-built shelving and cabinets

##### 1.2 REFERENCES

- A. The following documents, including others referenced herein, form a part of this Specification to the extent designated:

- 1. Architectural Woodwork Institute (AWI)

- Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program

- 2. American National Standards Institute/Builders Hardware Manufacturers Association (ANSI/BHMA)

- ANSI/BHMA A156.9 Cabinet Hardware
    - ANSI/BHMA A156.18 Materials and Finishes

- 3. National Electrical Manufacturers Association (NEMA)

- NEMA GP50, for horizontal surfaces
    - NEMA GP28, for vertical surfaces
    - NEMA LD-3 BK20, backing sheet

### 1.3 SUBMITTALS

- A. Submit the following in accordance with Section 01 3300, Submittal Procedures.
  - 1. Shop drawings of architectural woodwork indicating component profiles, fastening methods, jointing details, and accessories at a minimum scale of 1 1/2 inch equals one foot.
  - 2. Catalog data for hardware and specialty items.

### 1.4 QUALITY ASSURANCE

- A. Provide materials and perform work in accordance with above referenced documents.

### 1.5 PROJECT CONDITIONS

- A. Protect materials and work from moisture damage.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.
- C. Coordinate the work with plumbing, electrical rough-in and installation of associated components.

## PART 2 PRODUCTS

### 2.1 LUMBER MATERIALS

- A. Softwood lumber: PS 20, AWI Custom grade, average moisture content of 4-9 percent.
- B. Hardwood lumber: NHLA: AWI Custom grade, average moisture content of 4-9 percent, vertical grain, suitable for transparent finish.

### 2.2 PANEL PRODUCTS

- A. Softwood plywood: PS 1, AWI Custom grade, with particleboard core material.
- B. Hardwood plywood: AWI Custom grade, with particleboard core and red oak face veneer.
- C. Particleboard: AWI standard Medium density with Type 1 water-resistant adhesive, of grade to suit application, sanded faces.
- D. Hardboard: Standard grade, untempered, smooth one side.

### 2.3 OVERLAYS – HIGH PRESSURE LAMINATES

- A. Plastic laminate: [NEMA GP50, 0.050 inch thick, for horizontal surfaces]  
[NEMA GP28, 0.028 inch thick, for vertical surfaces], matte finish faces.

- B. Backing sheet: NEMA LD-3 BK20, 0.020 inch thick, undecorated sheet.
- C. Adhesives (non-toxic, formaldehyde free) as recommended by plastic laminate manufacturer.

## 2.4 ACCESSORIES

- A. Plastic laminate self-edge trim on plastic laminate faced panels.
- B. Matching wood veneer tape on hardwood faced panels.
- C. Plastic edge trim; extruded flat shape, smooth surface finish, self locking serrated tongue, of width to match panel, color as selected, on painted softwood panels.
- D. Clear, heat strengthened, 1/4 inch safety glass for wall cabinet doors.
- E. Fasteners of size and type to suit application.
- F. Concealed joint fasteners of threaded steel.

## 2.5 HARDWARE

- A. Cabinet and casework hardware to conform to ANSI/BHMA A156.9, Grade 1. Hardware finishes as designated in ANSI/BHMA A156.18.

## 2.6. FABRICATION

- A. Fabricate products to AWI Custom grade standards for [Reveal Overlay] [Flush Overlay] [Exposed Face Frame] design.
- B. When necessary to cut and fit, provide materials with ample allowance for cutting. Provide trim, if required, for scribing and cutting.
- C. Apply plastic laminate finish in full, uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners.
- D. Apply plastic laminate backing sheet to reverse side of plastic laminate finished surfaces.
- E. Apply self-edging to exposed panel edges.
- F. Casework and cabinet hardware to be furnished by the casework/cabinet manufacturer.

## 2.7. SHOP FINISHING OF WOOD FACED CABINETS

- A. Painted finish: Apply 1 coat of primer and 2 coats of semi-gloss acrylic latex enamel as specified in Section 09 9100, Painting.

- B. Natural finish: Apply sanding sealer, stain and 2 coats of satin polyurethane as specified in Section 09 9100, Painting.

## PART 3 EXECUTION

### 3.1 INSPECTION

- A. Verify adequacy of backing and support framing.
- B. Set and secure materials and components in place, plumb and level.
- C. Verify mechanical, electrical and building items affecting work of this Section are in place and ready to receive this work.

### 3.2 INSTALLATION

- A. Set and secure materials and components in place, plumb and level.
- B. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.

### 3.3 ERECTION TOLERANCES

- A. Maximum variation from true position is 1/16 inch.
- B. Maximum offset from true alignment with abutting materials is 1/32 inch.

END OF SECTION

\*\*\*\*\*

Do not delete the following reference information:

\*\*\*\*\*

FOR LANL USE ONLY

This project specification is based on LANL Master Specification 06 2000, Rev. 0, dated January 6, 2006.